

Oxidation of Cyclohexadiene With Permanganate
Peroxybenzoic Acid With Free Oxygen, by
N. D. Zelinsky, A. N. Titova, 5 pp.
GERMAN, per, Berichte der Deutschen
Chemischen Gesellschaft, Vol LXIV, 1931,
pp 1399-1406. P500016967
Dept of Navy/ONI Tr 2239 /NAVY 4947

N. D. ZELINSKY

Sci - Chem
Feb 67
COPYRIGHT

318,825

Zelinskii, N. D. and Vereshchagin, L. F.
INVESTIGATION OF CHEMICAL REACTIONS AT
HIGH TEMPERATURES UNDER SUPERHIGH PRES-
SURES. II. POLYMERIZATION OF CYCLOHEXENE
AND VINYL CYCLOHEXENE. [1961] 9p. 13 refs.
Order from OTS or SLA \$1.10 61-18205

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1945 [no. 1] p. 44-51.

DESCRIPTORS: *Cyclohexenes, Vinyl radicals,
*Polymerization, Polymers, *High temperature re-
search, *High pressure research, *Chemical reactions.

The study of polymerization of cyclohexene, vinylcyclo-
hexene and unsaturated compounds of synthin showed
that polymerization of cyclohexene under pressures up
to 4,000 kg/sq cm and temperatures up to 350° C is
independent of the pressure. The polymers isolated do
not differ from those obtained by thermal polymerization
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-18205

I. Zelinskii, N. D.
II. Vereshchagin, L. F.
III. Title: Polymerization...

Office of Technical Services

(SF-1878)

Nikolay Dmitriyevich Zalinakiy, by N. I. Shuykin,
11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 1, 1961,
pp 1-8.

JPRS 4869 .

USSR

167, 731

Bio

Sep 61

Correlation Between the Probability of Transition
of Complex Organic Molecules to the Metastable State
and the Spectral Composition of the Luminescence, by
R. V. Zelinskiy, V. P. Kolobkov, I. I. Rznikov.
3 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 10, 1959, pp 1269-1272.

Columbia Tech

Sci
Nov 60

132,921

S-4153

(NY-1617)

Further Investigations of the Function of the Cortex
of the Adrenal Glands in Patients With Schizophrenia
and Manic-Depressive Psychosis, by S. P. Zelinskiy,
12 pp

RUSSIAN, mo per, Zhur Nevropatol i Psikhatrii,
imeni S. S. Korsakov, Vol LVIII, No 1, 1958,
pp 46-54.

US JPRS/NY-L-301

Sci - Medicine

73,556

Incorporation of Radiomethionine in the Protein
Fractions of Blood Serum Under the Effect of
X-Ray Irradiation and Thiophosphamide, by
I. V. Savitskiy, V. G. Zelinskiy, 8 pp.
RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXXVI,
No 1, 1964, pp 14-20.
JPRS 24164

Sci - Med
Apr 64

254, 405

The Fluorescence Yield of Vapors and Solutions of Substituted Phenylhydrazones, by N. A. Borisenko, V. V. Holodny, et al, 6 pp.
RUSSIAN, per, Dokl Ak Nauk, Vol XCIV, No 1, 1956, pp 37-39.

OTS 43-10046

Sci-Chem
Feb 64

348,999

Hydrodepolymerization of Rubber: New Data on
the Chemical Nature of Rubber, by M. D. Zelinskii,
I. B. Rapoport, SEP
RUSSIAN, per, Ak Nauk SSSR. Izv Seriya Khim.
1940, No 5, pp 681-689
SEA TT-62-14120

M. D. Zelinskii

Sci - Mat
July 67

330,851

THE APPLICA
THE APPLICABILITY OF THE DIELECTRIC CONSTANT FOR THE
CHARACTERISTICS OF INTERACTION IN SOLUTIONS, BY
V. V. ZELINSKIY, V. P. KOLOBKOV, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII, NO 6,
1962, PP 1272-1275.

AIP
SOV PHYS - DOK
VOL VII, NO 2

SCI -PHY S

AUG 8 2

208,834

On the Distinction Between Specific and
Universal Interactions in Solutions. I, by
V. V. Zelinskiy, V. P. Kolobkov, 5 pp.

RUSSIAN, per, Optika i Spektro, Vol ~~XV~~^{XVI},
No 2, 1964, pp 345-350.

Optical Soc of Amer

Sci
Jun 64

260,085

The Influence of Heavy Halogens on the Probability
of Transition to a Metastable State and the Probabilities
of Disactivation of This State, by V. P.
Borgman, I. A. Zhmireva, V. V. Zelinskiy, V. P.
Kolobkov, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 4, 1960
pp 761-764.

AIP
Sov Phys - Doklady
Vol 1, No 2

132, 769

Sci
Nov 60

Effect of Structure of Organic Molecules on the
Probability of Transition to a Metastable State,
by V. V. Zelinskiy, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2,
1958, pp 315-318.

Assoc Tech Serv RJ-1430
" " " 15K26R

Sci - Chem

Apr 59

85, 310

The Relationship Between the Quantum Yield
Ratio of Phosphorescence and the Location of
the Fluorescence Spectrum, by V. V. Zelinakiy,
V. P. Kolobkov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 5,
1958, pp 922-925.

Assoc Tech Serv RJ-1431
" " " 58K24R

Sci - Chem

Apr 59

85, 3/2

Some Physical Properties of Phosphorus in
Phosphate Compounds; by V. V. Zelinskiy.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XX,
No 5, 1950, pp 395-400.

Res Info Sv R.710

Sci - Physics
Jan 1956/CTS No 77

30,548

53 Nassau St., New York 5, N.Y.

On the Relationship Between Fluorescence Frequencies
and the Effectiveness of Certain Quenchers, by V. V.
Zelinskiy, V. P. Kolobkov, N. I. Kondaraki, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 3, 1957,
pp 391-394.

Amer Inst of Phys
Sov Phys "Doklady"
Vol II, No 6

Sci - Physics
Jul 58

67,183

Present Views Regarding the Influence of the
Solvent on the Spectra of Complex Organic Molec-
ules (Abstract), by I. A. Zhmyreva, V. V. Zelin-
skiy, V. P. Kolobkov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 5, 1960, pp 596-600.

CTT

Sci
Jul 61

159, 622

Influence of Structure on the Luminescence
Characteristics of Complex Organic Molecules, by V. V.
Zelinskiy, I. I. Reznikova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol. XXIV,
No 5, 1960, pp 607-609.

CTT

Sci
Jul 61

159,624

Principal Processes of Deactivation of Excited
States of Complex Organic Molecules, by V. A.
Borgrman, I. A. Zheyreva, V. V. Zelinskiy, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,
No 5, 1960, pp 601-606.

CTT

Sci
Jul 61

159,623

Ultraviolet Emitting Phosphor, by V. V. Zelinskiy,
U. V. Timofeeva, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LVI,
No 2, 1949, pp 187-190. X

CIA/FDD/X-1210

Scientific - Physics
STE/DEX

9883

Investigation of the Ability of Complex Organic
Molecules to Fluoresce and Phosphoresce, by V. V.
Zelinski, M. P. Emets, V. P. Kolobkov, L. G. Pikulik,
6 pp.

RUSSIAN, no per, Iz Ak Nauk, Ser Fiz, Vol XX, No 5,
1956, pp 507-513.

Consultants Bureau

Sci - Physics
Jun 1957

49,090

Sci/Physics /cStructure of Molecules and Fluorescence, by V. V.
Zelinski. UNCLASSIFIEDRUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIII,
No 1, pp 43-48, 1949.*apd*
~~Feb~~ cts
PA 36/49T94~~*Navy Tr/NRL~~
Navy Tr 317/NRL 338*Library 7-1-49 RT-4*

A13413

Electronic Spectra of Vapors of N-methylphthalimides
, by V. T. Korotkevich, V. V. Zelinskiy, et al, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXVII,
No 4, 1963.

CTT

Sci

Apr 64

256,044

Zelinskii, Ya. I., Denisenko, Ya. I., Evensova, M. S., and Khromov, S. I. SOME OBSERVATIONS ON POLYMERIZATION OF BUTADIENE, ISOPRENE, DIMETHYLBUTADIENE AND CYCLOHEXADIENE. 6p 7refs Order from OTS, SLA, or ETC \$1.10 TT-61-18030 Trans. of <i>Sinteticheskii Kauchuk</i> (USSR) 1933 [v. 2] no. 4, p. 11-14. (Engineering--Chemical, TT, v. 12, no. 3)	TT-61-18030 I. Zelinskii, Ya. I. II. Denisenko, Ya. I. III. Evensova, M. S. IV. Khromov, S. I. A2-5077 Office of Technical Services
--	---

Density of Gas-Liquid Emulsions on Grid Plates, by
Yu. G. Zelinskiy and V. V. Kafarov, p 6

RUSSIAN, per, Zhur Prik Khim, Vol XIXV, No 9, 1962,
pp 1989 - 1995

CB

Sci

340,330

Jul 63

Zelinski, Yu. G. and Kafarov, V. V.
HYDRODYNAMIC CONDITIONS ON OPEN-GRID
(TURBOGRID) TRAYS. Oct 61, 6p. 25 refs.
Order from ICE in v. 1, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 2, p. 122.

DESCRIPTORS: Metal plates, *Hydrodynamics, Re-
sistance, Bubbles, Oscillation, Towers (Chemistry).

(Engineering--Chemical, TT, v. 8, no. 8)

62-22199

I. Zelinski, Yu. G.
II. Kafarov, V. V.
III. International Chemical
Engineering, New York

C223256

Office of Technical Services

Hydrolysis of Proteins by Means of Dilute Acids,
by N. Zelinsky, W. Szadikow, 4 p.

GERMAN, per, Biochem Zeit, 1923, Vol CXXXVIII,
pp 156-160.

SLA 60-10456

Sci
Apr 60
Vol III, No 3

111, 585

The Catalytic Hydrocondensation of Carbon Monoxide With Olefins. Communication 7. Effect of the Carbon Monoxide Concentration on the Hydrocondensation Reactions of Carbon Monoxide With Propene and With n-Butene, by Ya. T. Eidus, E. D. Zelinsky, K. V. Puzitsky, M. I. Eshov, 7 pp.

Full translation.

RUSSIAN, no per, Iz A.: Nauk SSSR, Otdel Khim Nauk, No 1, Jan-Feb 1952, pp 145-151.

Consultants Bureau

USSR

Scientific - Chemistry

Aug 53 CTS

4499

The Preparation of the Ethyl Esters of 1-(3-Bromopropyl)-
2-oxocyclopentanecarboxylic Acid and of 1-(3-Chloropropyl)-
2-oxocyclopentanecarboxylic Acid, by N. D. Zelinsky,
N. V. Elagina, 3 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 433-436.

Consultants Bureau

USSR
Scientific - Chemistry

10,221

Mar 54 CTS/DEX

Isomerization of Polymethylene Hydrocarbons Under the Influence of Aluminum Chloride, XVII. Isomerization of Methylcyclohexane, 1, 1-Dimethylcyclohexane, 1, 2-Dimethylcyclohexane and Ethylcyclohexane, by N. D. Zelinsky, M. B. Turova-Polyak, N. F. Tsvetkova, E. G. Treshchova, 5 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI, No 12, Dec 1951, pp 2156-2159

CIA D 182342

Consultants Bureau

USSR

Scientific - Chemistry, hydrocarbons, aluminum chloride, isomerization

1937

Some New Data on the Isomerization of Cyclohexane by
Aluminum Chloride, by N. D. Zelinsky, M. B. Turova-Polyak
N. F. Tavetkova, E. G. Treshchova, 5 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXI, No. 12,
Dec 1951, pp 2160-2162.

CIA D 182342

Consultants Bureau

USSR

Scientific - Chemistry, aluminum chloride

1934

Interaction of Selenious acid and Sulfurous Acid,
by I. V. Yanitskiy, V. I. Zelikovits, ~~RUSSIAN~~ 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 8,
1958, pp 1755-1760.

ABC-TR-4456
PL-480

Sci
Jun 62
PST 378

200,152

Analysis of Some Oxygen Compounds of Selenium and Sulfur,
by I. V. Yanitskiy, V. I. Zelionkayte, E. I. Patasuskas,
13 pp. .

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 6, 1957,
pp 1341-1348.

AEC-tr-4056
PL-480

Sci

Apr 61

PST No 83

146,30

The Reaction of Selenosulfate With Selenious Acid, by
I. V. Yanitskiy, V. I. Zelonkayte, 12 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 6, 1957,
pp 1349-1355.

AEC-tr-4056
PL-480

Sci

Apr 61

PST No 83

146,311

Data on the Physiology of the ^aPy^llorus, by W.
Sawitch and G. Zeliony, 12 pp.

GERMAN, per, Pfluger's Arch Ges Phys, Vol
CL, 1913, pp 128-138.

SLA 57-3487

Sci

Aug 58

72,801

Data on the Physiology of the Pylorus, by W. Savitch
G. Zeliony, 11 pp.

GERMAN, per, Pfluger's Archiv fuer die Gesamte
Physiologie, Vol CL, 1913, pp 128-138.

NIH 1-16

Sci - Med

57,790

Jan 58

The Role of Paraffinic Hydrocarbons as
Antisolvents in the Interaction of
Alkybenzenes with Dimethyl-Formamide:
the Mutual Solubility of Dimethylformamide
(DMF), Aromatic Hydrocarbons and
n-Paraffinic Hydrocarbons, by A. M.
Zelinski, M. M. Prodyaga, A. P. Chernavskaya,
Sp.

RUSSIAN, per, Investive Pyschik Unobshch
Zavedani. Ser' 1 Osn, Vol 7, No 1,
1964, pp 47-51.

ATS-4479R

A. M. Zelinski
136, 161

Sci
Aug 67

A Trip Around a Ring, by Luan Zelka, 4 pp.

ALBANIAN, np, Zevi i Popullit, 22 Dec 1963.

ACSI I-4894
ID 2204022064

EEur - Albania
Pol,
Nov 64

A Photon Rocket, by G.G. Zel'kin.

RUSSIAN, per, Priroda, No 11, 1960, 9pp.

~~SECRET~~

Sci - Space Res
Jun 61
CIA/PDD X-4662

Space Technology Lab

158,070

Synthesis of Flat-Aperture Antennas, by
Ye. G. Zelkin. 7 p. 65
RUSSIAN, per, Trudy Vsesoyuznaya Simpozium
Po Difraktsii Voln. III, No 3, 24-30 Sep.
1964, pp 137-141. 9699953
FTD-TT-65-1601

Ye. G. Zelkin

Sci/electronics
Apr 66

298,910

Predictor Design, by Y'E. G. Zel'kin, 8 pp.

RUSSIAN, per, Avtomnt i Telemekh, Vol XXIII,
No 9, 1962, pp 1260-1267.

ISA

Sci
Apr 63

233,944

R-2569

(DS-3114)

Reducing the Cost of Building Petroleum Refining
Plants, by A. I. Zel'kovich, P. A. Khokhryakov,
116 pp.

RUSSIAN, bk, Puti Snizheniya Stoimosti Sooruzheniya
Neftepererabatyvayushchikh Zavodov, 1959, pp 3-106.

JPRS 3471

USSR

Econ - Technological, petroleum refining

Vol 60

119,794

Muffler for Ventilation Canals, by Zeller.
GERMAN, per, Lairbekämpfung, Vol 5, No 3-4, 1961,
pp 37-42
CAcL

Zeller

Sci -
Aug 67

336,728

Enzymatic Decomposition of L-Alpha-Oxyacids
(1), by B. Iselin, E. A. Zeller, 33 pp.

GERMAN, per, Helvet Chim Acta, Vol XXIX, No 6,
1 Oct 1946, pp 1508-1520.

NIH

Scientific - Chemistry

Nov 54 CTS

19,551

On the Dependence of Current-Limits on Flow, by
G. Trumpler, H. Zeller.

GERMAN, Helvetica Chimica Acta, Vol XXXIV, No3, 1951,
pp 952 - 958.

AEC T-1102

Sci - Chem

Dec 51 CTS

A12197

NCH-202 547 Field 7D, 20B

Zeller, H. R.; Vannotti, L.; Kanzig, W.
ELECTRON DEFICIENCIES IN NH₄Cl (Defektelektronen
in NH₄Cl). Tr. by D. A. Sinclair. 1965, 7p, 13refs.
NRC-TT-1209; NRC-C-5590.
Order from NRC: \$0.50 as C-5590

Trans. of Physik der Kondensierten Materie (West
Germany) v2 p133-8 1964.

I. National Research Council
of Canada, Ottawa
(Ontario)

Vertical Sand Drains. A Method for Consolidated
Soils Which Are Not Very Permeable and Are Liable
to Settlement, by J. Zeller, H. Zeindler.
UNCLASSIFIED

GERMAN, per, Strasse und Verkehr, Vol XLII, No 6,
1956, pp 278-286.

DSIR/30975/CT

Wkur - Germany

Econ - construction

Sep 58

Sci - Engr

ASLIB-6B29

73, 843

Vertical Sand Drains, by J. Zeller,
H. Zeindler.

GERMAN, per, Strasse und Verkehr, Vol XLII, No 7,
1956, pp 315-322.

DSIR/30804/CT

ASLIB-CBS-1

58,868

Sci - Engr
Feb 58

Assimilation and Respiration of Plants in winter⁵⁹
at Low Temperature, by O. Zeller.

GERMAN, Planzthalanta, Vol 39, 1951, pp. 500-526.
CSIRO/No. 9477

O. Zeller

Sci-Agri

Aug 69

389,793

I-116/63

The Agricultural Policy of the European Economic
Community in Practice (I-IV), by Willy Zeller. (DC-10082)

GERMAN, np, Neue Zuercher Zeitung, 1,3,5, 14 Sep 1963,
2 pp.

*JPRS

WE - Germany
Econ
Nov 63

THE AGRICULTURAL POLICY OF THE EUROPEAN ECONOMIC
COMMUNITY IN PRACTICE, BY WILLY ZELLER, 21 PP.

GERMAN, NP, NEUE ZUERCHER ZEITUNG, 1, 3, 5, AND
14 SEP 1963.

JPRS 22070

WE
ECON
DEC 63

243,839

The Treatment of Hyperlipemic Atherosclerosis
with SP 54, by W. Zeller, H. Schoen. 15p.
GERMAN, per, Die Medizinische Welt, No 42,
1964, pp 2231-2238.
SLA TT-65-18217

W. Zeller

Sci-B&M
Jul 66

307,579

Motor Processes and Their Perceptions Enforced
Upon the Human Body, by W. Zeller, 21pp
GERMAN, per, Psychotechnische Zeitschrift,
Vol 7, 1932, No 5, pp 139-147
SLA TT-61-14672

W. Zeller

Sci - Ast
May 67

326,583

Dimensional Terms for Vibration Intensity and
Vibration Perception by W. Zeller, 8 p.

GERMAN, per, ATZ, Auto Zeit, 1949, Vol LI, No 4,
pp 95-97.

SLA 59-17620

Sci
Jan 60
Vol 2, No 8

105,536

Heparin and Lipamia, by Walter Zeitz, Napomuk
Zollner, 13 pp.

GERMAN, per, Die Medizinische, No 26, 25 Jun
1955, pp 955-957.

Sci - Medicine
Oct 56 CTS

S.L.A. Tr 820/1956

39,897

Methods for Detecting Periodic Features in
Variabel Products Such as Cross-section
Mass in Textiles, by A. G. Zellweger.

SWISS, Patent 30068.

CSIRO

Sci - Engr
May 62

196, 439

The emissive power of water in the
infrared region of the spectrum, by
M. A. Bradson, I. L. Zel'manovich, et al.,
41 pp.

RUSSIAN, for, Study of the Geophysics
No 152, 1964, pp 31-67. (RZ731)
NACA TR F-319

FCI-ES/A
Apr 65

2/c, 7/89

On the Determination of the Total Moment of a System
of n Particles Having a J^n Configuration, by
G. I. Zel'dner, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1339-1342.

ARP
Sov Phys-Dok
Vol VI, No 6

Encl

173, 506

Oct 61

Fractional Parentage Coefficients for the Wave
Function of Four Particles, 14 pp. (G. I. Zel'tser)

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXIV, No 3, 1958, pp 694-699.

Amer Inst of Phys
Sov Phys - JETP
Vol VII (34), No 3

Sci - Physics

Oct 58

75,388

18
Tuberculous Sclerosis With Relatively Slight Involvement
of the Gray Substance of the Brain, by L. Zelina,
K. Wlaniańska, 9 pp.
POLISH, per, Neuropatologia Polska, Vol I, No 1,
1961.
OTS 64-11409
PL-480

Sci - Biol & Med Sci
Nov 64
Avail From LY/Serials

269,280

Centralized Supply of Petroleum Products for
Machine-Tractor Stations, Sovkhozes, and Tractor
Brigades (An Experiment of the Kolomenskaya
Petroleum Base), by S. P. ~~XXL~~ Zel'man, 19 pp.
UNCLASSIFIED

RUSSIAN, monograph, Moscow, 1954, Encl to
APOIN-1A1-162-55, 11 Feb 1955. CIA D 180617

AF 651912

24, 268

USSR
Economic

Jun 55 CTS/DEX

Reaction of 1-Chloro-3-Nitro-4-Hydroxyiso-
quinoline with Ammonia, by V. N. Zelman and
G. Ya. Vanag, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No
5, 1957, pp 1353-1357.

Consultants Bureau

Sci - Chem

Sep 58

72,887

4-Nitro-2-Phenyl-1,3-Indandione, by V. N. Zelman,
G. Ya. Voznes, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CIX,
No 3, Jul/Aug 1956, pp 535, 536.

Consultants Bureau

Sci - Chem

56,633

Dec 57

On the Formulation of the Problem of the Infinity
of Space in the General Theory of Relativity, by
A. L. Zel'manov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 5, 1959
pp 1030-1033.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 1

Sci - Phys

97,101

The Deformation of "Co-Traveling" (Concomitant) Space
in Einstein's Gravitational Theory, by A. L.
Zel'manov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No 6,
1960, pp 1364-1366.

AIP
Sov Phys - Dok
Vol V, No 6

Sci

Jun 61

158, 395

Chronometric Invariants and Frames of Reference in the
General Theory of Relativity, by A. L. Zel'manov,
4 pp.

RUSSIAN per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,
No 6, pp 815-

AmerInst of Phys
Sov Phys "Doklady"
Vol I, No 2

Sci - Phys

57, 663

Aug 57

MICROSTRUCTURE AND TRANSPARENCY OF FALLING SNOW,
BY L. P. ZEL'MANOVICH.

RUSSIAN, PER, TRUDY GLAVNOY GEOPHIZ OBSERV, NO 100,
1960, PP 58-64.

NLL M. 3746

SCI - GEOPHYS

OCT 62

214,173

Brightness Discrimination of Signals in the Presence
of Background Noise, by I. L. ~~ZAKHAR~~ Zel'manovich,
7 pp.

RUSSIAN, per, Radiotekh, Vol XVI, No 8, 1961.

AIEE

Sci
11 Jun 62

198,718

Analogue of the Cartan-Weyl Theory for
 ∞ -Dimensional Representations of a Semi-
simple Complex Lie Group, by D. P. Zelobenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 175,
No 1, 1967, pp 24-27.
Am Math Soc
Vol 8, No 4, 1967

D.P. ZELOBENKO

Nov 68

354,194

Harmonic Analysis of Functions on Semisimple
Lie Groups, by D. P. Zelobenko,
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Seriya Matematika, Vol XXVII, 1963, pp 1343-
1394.

Am Math Soc
Vol LIV, Ser 2

D. P. Zelobenko

Jan 67

316,882

41
A case of Salpingitis due to Pleuropneumonia-
like organisms, by H. Zelter.
GERMAS, per. Harafah, Vol 65, 1963, pp 156-158.
REF NIN
10-11-68

H. ZELTER

Sci-B and M
Jan 69

371.732

Cherepovets Metallurgical Plant Operates at a Profit,
by G. S. Zel'tser, 12 pp.

RUSSIAN, per, Stal', No 9, 1963, pp 841-844.

JPRS 22136

USSR
Econ
Dec 63

243,763

4
Reserves for Increasing the Inventory of Operating
Industrial Equipment, by P. Zolotarev, 18 pp.
RUSSIAN, per. Vest Statistiki, No 12, 1964, pp 11-20.
JPRS 29904

USSR
Econ
Apr 64

254, 187

Study of the Effect of Pressure on the Mass Transfer
in Packed Fractionating Column with the Help of
Radioactive Isotope, by Ya. D. Zel'Venskii.
RUSSIAN, per, Khim Prom, No 2, 1963, pp 23-116
INSDOC/T 7058

YA. D. ZEL'VENSII

Sci -
Aug 67

336,516

Zel'venskii, Ya. D., Titov, A. A., and
Shalygin, V. A.
A STUDY OF THE INFLUENCE OF PRESSURE ON
MASS TRANSFER IN A PACKED RECTIFICATION
COLUMN BY MEANS OF RADIOISOTOPES. July 63,
8p. 28 refs.
Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Khim[icheskiye] Prom[ishlennosti] (USSR)
1963, no. 2 [p. 116-122].

DESCRIPTORS: *Mass transfer, *Towers (Chemistry),
*Radioactive isotopes, Pressure, Temperature,
Chemical engineering.

(Chemistry--Physical, TT, v. 10, no. 7)

63-17891

I. Zel'venskii, Ya. D.
II. Titov, A. A.
III. Shalygin, V. A.
IV. International Chemical
Engineering, New York

1247231

Office of Technical Services

S-95/60

(NY-3560).

Separation of Isotopes by Rectification.
Rectification of Methanol, by Ya. D. Zel'vanskiy,
V. Ye. Sokolov, V. A. Shalygin, 8 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, Khim i
Khim Tekh, No 2, 1958, pp 388-391.

JPRS 2460

Sci - Chem
May 60

116,690

Isotopic Exchange of the Chloride Ion With Some
Organic Chloro-Compounds, by A. N. Bantysh,
and Ya. D. Zel'venskiy, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, No12, 1962, pp 57-62.

Cleaver-Hume Press Ltd.

Sci

Nov 62

216,404

Liquid-Vapor Equilibrium in the Binary Mixtures
Ethyl Alcohol-Isopropyl Alcohol and Carbon Disulfide-
Methyl Iodide, by G. A. Gaziev, Ya. D. Zel'venskiy,
V. A. Shalygin, 7 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 8, 1958,
pp 1220-1226.

Consultants Bureau

Sci - Chem

Aug 59

94,672

Removal of Organic Sulfur Compounds from Gases
by Means of Activated Clays from the Georgian SSR.
by Ya D. Zelvensky and I. G. Sarishevili, 8 pp.

RUSSIAN, No per, Zhur Prikl Khim SSSR, Vol XXXI,
No 6, Jun 1956, pp 833-841.

Consultants Bureau

Sci - Chemistry
May 57

47,157



(DC-4430)

Quartz Resonators for Audio Frequencies, by Ya. I.
Velikin, E. V. Zelyakh, 6 pp.

RUSSIAN, per, Vestnik Svyazi, No 2, 1947, pp 14, 15.

JPRS 6701

Sci

Apr 61

145,017

Magneto-strive Band-Elimination Filters, by
Ya. I. Velikin and E. V. Zelyakh, 7 pp.

RUSSIAN, per, Elektrosvyaz', No 4, 1962.

AIEE

Sci

Nov 62

234, 111

(NY-5236)

On One Method of Resistance Measurement, by
Ya. I. Velikin, E. V. Zelyakh, 14 pp.

RUSSIAN, per, Vestnik Svyazi, No 10, 1953,

JPRS 7100

Sci

Apr 61

146,781

A Method for the Physical Realization of an Ideal
Power Transformer, by E. V. Zelyakh, B. Ya.
Lurye, 11 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol V, No
12, 1960, pp 1895-1901.

~~OR~~ PP

Sci
May 62

194,637

A New Theory of Active Four-Poles and Its Application
to Distributed Amplifiers, by E. V. Zelyakh, 18 pp.

RUSSIAN, per, Radiotekh, Vol XV, No 8, 1960, pp 13-24.

PP

Sci -
Apr 61

146,559

Quartz Crystal Band-Rejection Filter for Station
A in a 12-Channel High-Frequency Telephone
Network, by E. V. Zelyakh.

RUSSIAN, per, Elektrosvyaz, No 9, 1958, pp 44-50.

Pergamon Press

Sci

Mar 60

111,380

The Ideal Power Converter - A New Element of Electric
Circuits, by E. V. Zelyakh, 18 pp.

RUSSIAN, per, Elektrosvyaz', No 1, 1957, pp 35-47.

ATIC F-TS-9155/V

Sci - Electricity
Jun 58

65,653

Low-Frequency Piezoelectric Filter, by Ya. I. Valikín,
Z. Ya. Gal'man, B. V. Golyukh, 16 pp. UNCLASSIFIED

RUSSIAN, no per, Radiotekhnika, Vol XI, No 4, Apr 1956,
pp 59-66. 11 0 5 1956

ATIC F-TS-9181/V

Sci - Electronics
Nov 58

76,390

Piezoelectric Filter for High Frequencies,
by Ya. I. Velikhin, Z. Ya. Gal'mont, E. V.
Zelyakh, 12 pp. (AF 676553)

RUSSIAN, bimo per, Radiotekhnika, Vol X,
No 3, Mar 1955, pp 41-49.

AFIC F-TS-8592/v

Sci - Electronics
Feb 1957 CTS/dex

44, 406

(NY-6624)

Prophylactic Effect of Sodium Arsenate
in Polonium Poisoning, by D. I. Zalyakova,
16 pp.

RUSSIAN, per, Radiobiologiya, Vol I,
No 2, 1961, pp 288-292.

JPRS 11322

Sci
Jan 62

179,445

Amperometric Titration of Germanium with a
Solution of Pyrocatechol, by A. I. Zelyanskaya,
N. V. Stashkova, 3 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVI, No 4,
1961, pp 430-432.

CB

Sci

195,786

May 62

The Effect of Annealing Conditions on the Core
Loss of Hot Rolled Transformer Sheet, by F. Lihl
and P. Zemach.

GERMAN, per, Arch Eisenhüttenwesen, Sep 1955,
pp 535-540.

UKSM
GB 65

Sci

Jul 58

68,047

(*Reg-530.5*).
Metallurgical Industry Development, by Kiejstut
Zemaitis, *13 pp.*

POLISH, per, Hutnik, Vol XXVII, No 7/8, July-
Aug 1960, pp 254-259.

JPRS 7752

EEur - Poland

Econ - Min/Met - Development of Metallurgical Industry

17 Oct 60

141, 119

Stark Effect in Rotational Spectra of Molecules of the Asymmetrical Top Type in the Presence of Quadrupole Interaction (the Case of $u\text{-}eQq$), by E. Zemakov.

RUSSIAN, per, Optika i Spektroskopiya, Vol III, No 2, 1957, pp 183-186.

CAIRO 4152

Sci - Phys
Aug 62

211, 231

B 96/60

(NY-3727)

The Concentration of Isotope W15 by a Chemical
Exchange Reaction, by A. Zeman, V. Cermak, 8 pp.

CZECH, per, Chemické Listy, Vol. LI, No 5, 1957,
pp 818-822.

JPRS 2720

118,631

Sci - Chem

Jun 60

(SF-1855)

Expanded Production on Electric Insulating
Materials, by Antonin Zeman, 4 pp.

CZECH, np, Hospodanske Noviny,
15 Sep 1961, p 4.

JPRS 12979

EBur - Czech
Econ
Mar 62

187,679

The Latest Development of the Two-Cycle Engine. Part
III. Working Processes, by J. Zeman, 21 pp.

GERMAN, per, Ver Deut Ing Z., Vol LXXVII, No 15-16,
17 Apr 1943, pp 215-219.

SLA 58-653

Sci

Aug 59

95, 299

The Latest Development of the Two-Cycle Engine, by
J. Zeman, 40 pp.

GERMAN, per, Ver Deut ~~h~~ Ing Z., Vol LXXXVII, No 1-2,
9 Jan 1943, pp 7-14.

SLA 58-698

SLA- 57-17674

Sci

Aug 59

95, 296